

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT				1. Contract ID Code Firm-Fixed-Price		Page 1 Of 5	
2. Amendment/Modification No. 0003		3. Effective Date 2005MAR14		4. Requisition/Purchase Req No. SEE SCHEDULE		5. Project No. (If applicable)	
6. Issued By TACOM WARREN AMSTA-PM-LAV-B DOUGLAS W. CLEVELAND (586)574-6834 WARREN, MICHIGAN 48397-5000 HTTP://CONTRACTING.TACOM.ARMY.MIL EMAIL: CLEVELAD@TACOM.ARMY.MIL		Code W56HZV		7. Administered By (If other than Item 6)		Code	
				SCD PAS ADP PT			
8. Name And Address Of Contractor (No., Street, City, County, State and Zip Code)				<input checked="" type="checkbox"/>		9A. Amendment Of Solicitation No. W56HZV-04-R-0325	
				<input type="checkbox"/>		9B. Dated (See Item 11) 2005FEB15	
				<input type="checkbox"/>		10A. Modification Of Contract/Order No.	
				<input type="checkbox"/>		10B. Dated (See Item 13)	
Code		Facility Code					
11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS							
<input checked="" type="checkbox"/> The above numbered solicitation is amended as set forth in item 14. The hour and date specified for receipt of Offers <input type="checkbox"/> is extended, <input checked="" type="checkbox"/> is not extended. Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended by one of the following methods: (a) By completing items 8 and 15, and returning <u>2 signed</u> copies of the amendments: (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.							
12. Accounting And Appropriation Data (If required)							
13. THIS ITEM ONLY APPLIES TO MODIFICATIONS OF CONTRACTS/ORDERS It Modifies The Contract/Order No. As Described In Item 14.							
<input type="checkbox"/>		A. This Change Order is Issued Pursuant To: The Contract/Order No. In Item 10A.					
<input type="checkbox"/>		B. The Above Numbered Contract/Order Is Modified To Reflect The Administrative Changes (such as changes in paying office, appropriation data, etc.) Set Forth In Item 14, Pursuant To The Authority of FAR 43.103(b).					
<input type="checkbox"/>		C. This Supplemental Agreement Is Entered Into Pursuant To Authority Of:					
<input type="checkbox"/>		D. Other (Specify type of modification and authority)					
E. IMPORTANT: Contractor <input type="checkbox"/> is not, <input type="checkbox"/> is required to sign this document and return _____ copies to the Issuing Office.							
14. Description Of Amendment/Modification (Organized by UCF section headings, including solicitation/contract subject matter where feasible.) SEE SECOND PAGE FOR DESCRIPTION							
<p>Except as provided herein, all terms and conditions of the document referenced in item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.</p>							
15A. Name And Title Of Signer (Type or print)				16A. Name And Title Of Contracting Officer (Type or print)			
15B. Contractor/Offeror _____ (Signature of person authorized to sign)		15C. Date Signed		16B. United States Of America By _____ /SIGNED/ (Signature of Contracting Officer)		16C. Date Signed	
NSN 7540-01-152-8070 PREVIOUS EDITIONS UNUSABLE				30-105-02		STANDARD FORM 30 (REV. 10-83) Prescribed by GSA FAR (48 CFR) 53.243	

<p style="text-align: center;">CONTINUATION SHEET</p>	<p style="text-align: center;">Reference No. of Document Being Continued</p> <p> PIIN/SIIN W56HZV-04-R-0325 MOD/AMD 0003 </p>	<p>Page 2 of 5</p>
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Name of Offeror or Contractor:

SECTION A - SUPPLEMENTAL INFORMATION

LAV-C2 Upgrade Program
Executive Summary

The Program Manager, Light Armored Vehicles (PM-LAV) has been authorized to upgrade the existing fleet of 50 LAV-Command and Control (LAV-C2) vehicles. These vehicles were initially fielded in 1987 with a capability to conduct the command and control mission using voice-only radios. Today's battlefields require command and control assets to effectively manipulate and exchange digital data.

The LAV-C2 Upgrade will address existing operational deficiencies as well as some obsolescence issues. The existing radio suite will be upgraded with additional legacy radios. The current intercom system will be replaced. Workstations will be added to provide the staff the capability to electronically manipulate situational awareness and fire support software on rugged laptop computers.

The planned acquisition strategy is based on four key concepts. The first concept is the use of Non-Developmental Items to reduce risk and ease logistics and training. The second is to make extensive use of Government Furnished Material in a Government selected top-level architecture. The third key element is to ensure that no items are integrated into the upgraded vehicles that will require unique lifecycle support and management solely by PM-LAV. The last key element is to retain competition in the program until the Government is confident that the system meets its performance requirements and that the vendor has agreed to a fixed production price.

The LAV-C2 Upgrade program is a three phase program. Full and open competition will be used to select up to two Contractors for Phase 1. Phase 1 (FY05-06) will consist of establishment and demonstration of a system design. After the system demonstration, a down-select to a single Contractor will occur prior to entering Phase 2. Competition for the Phase 2 efforts will be limited to only the two Phase 1 competitors. Phase 2 (FY06-07) will consist of development of the logistics products, demonstration of a robust design (Developmental testing) and demonstration of operational effectiveness and suitability (Operational testing). Production and deployment (Phase 3) will begin after successful Operational testing. Initial Operating Capability is scheduled for FY09 and Full Operational Capability is scheduled for FY10.

A.1 In order to perform the contract requirements, Offerors must have a Facility Clearance to have access to and/or create classified materials. Additionally, Offerors must have a Communications Security (COMSEC) account in order to perform the contract requirement of integrating Government furnished communications equipment into the LAV-C2 Upgrade. In order to assure the Government that the award(s) made under this RFP will be made to a contractor qualified to perform the contract requirements, Offerors must certify that they have a facility clearance and a COMSEC account at the time they submit their proposal (see paragraph K.1).

*** END OF NARRATIVE A 001 ***

AMENDMENT 0003

The Solicitation is amended as follows:

1. Offerors must have a facility clearance and a Communications Security (COMSEC) account at the time they submit their proposals. To incorporate this requirement, the following changes are made:
 - a. The unnumbered paragraph at the end of Section A of the RFP is numbered A.1 and is revised to add the following sentence to the end of the paragraph:

In order to assure the Government that the award(s) made under this RFP will be made to a contractor qualified to perform the contract requirements, Offerors must certify that they have a facility clearance and a COMSEC account at the time they submit their proposal (see paragraph K.1).
 - b. Paragraph K.1, as shown below, is hereby added to the solicitation.

K.1 The Offeror certifies that it has a facility clearance and a Communications Security (COMSEC) account as of the date of the submission of its offer under this solicitation.
2. Attachment 004, Preventative Maintenance Checks and Services (PMCS) is hereby deleted from the solicitation.

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3. Amendment 0001 changed the language in Attachment 005 to replace the term "SGML" to "XML". However, the Attachment 005 that was included in the amendment failed to make the change in the subject line of the attachment. Therefore, the subject line of Attachment 005 is hereby revised to delete the term "Standardized General Markup Language (SGML)" and it is replaced with the term "Extensible Markup Language (XML)".
4. Amendment 0001 changed the title of the Data Type Dictionary (DTD) in Attachment 002, but it failed to make the same change in Attachment 005. Therefore, the title of the DTD shown in paragraph 2.1 of Attachment 005 is hereby changed from "040629 PMLAV V1" to "USMC-LAV V1 040629".
5. All offerors must acknowledge receipt of this amendment as required by the Section A provision incorporated by Amendment 0001.
6. All other terms and conditions of the solicitation remain unchanged.

*** END OF NARRATIVE A 004 ***

Name of Offeror or Contractor:

SECTION J - LIST OF ATTACHMENTS

<u>List of</u> <u>Addenda</u>	<u>Title</u>	<u>Date</u>	<u>Number</u> <u>of Pages</u>	<u>Transmitted By</u>
Attachment 004	PREVENTATIVE MAINTENANCE CHECKS AND SERVICES (PMCS)	DELETED		
Attachment 005	TECHNICAL MANUAL CONTRACT REQUIREMENT (TMCR)			

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Name of Offeror or Contractor:

SECTION K - REPRESENTATIONS, CERTIFICATIONS, AND OTHER STATEMENTS OF OFFERORS

K.1 The Offeror certifies that it has a facility clearance and a Communications Security (COMSEC) account as of the date of the submission of its offer under this solicitation.

*** END OF NARRATIVE K 001 ***

ATTACHMENT 005

Technical Manual Contract Requirements (TCMR) for the LAV-C2 Upgrade

SUBJECT: REQUIREMENTS FOR DELIVERY OF OPERATOR AND MAINTENANCE EXTENSIBLE MARKUP LANGUAGE (XML) TECHNICAL MANUAL CHANGE PAGES AND REPAIR PARTS LISTS.

SCOPE: This TCMR presents requirements for preparing the XML Technical manual data for the LAV-C2 Upgrade for all phases of the program. The requirements specified herein constitute the tasks to be performed by the contractor and the resulting deliverables. This XML data shall be developed to support the LAV-C2 Upgrade during all testing phases and the eventual deployment of the LAV-C2 Upgrade. The XML data, as delivered by the contractor, shall be integrated into the PM LAV FOLAV IETM

1.0 Data Items. Data Items shall be delivered in accordance with the Distribution Matrix as listed on the DD-1423, Contract Data Requirements Lists (CDRL) Exhibit X.

2.0 Applicable Documents.

2.1 Government Documents. The following documents, of the issue in effect, shall be used as guidance. In case of conflict between the requirements of MCO P5215.17 and this TCMR, the TCMR shall take precedence. These documents support both electronic and paper delivery of technical manuals.

MIL-PRF-28003B Digital Representation for Communication of Illustration Data: CGM Application Profile

MIL-HDBK-511 Department of Defense Handbook for Interoperability of Interactive

Electronic Technical Manuals (IETMs)

MCO P5215.17 The Marine Corps Technical Publication System

USMC-LAV V1 040629 Data Type Definition (DTD)

PM LAV Hyperlink Protocol

2.2 Commercial Documents.

ASME Y14.38M Abbreviations and Acronyms

3.0 Requirements. The requirements of this TCMR shall take precedence over any other document pertaining to TMs.

3.1 General. The LAV-C2 Upgrade XML data shall describe in detail the operation instructions, maintenance tasks, support equipment, tools and test equipment, and repair parts necessary to operate, maintain and restore equipment/systems from the operator to the depot level. The general method of preparation shall be in accordance with PM LAV V1 040629. The XML shall be prepared in conformance with DoD IETM Web-based guidance of the timeframe. The XML shall be written in simple, practical English. All terminology, symbols, and abbreviations shall be readily understandable by operator/maintenance technicians. Use of abbreviations shall be held to a minimum, and shall be defined the first time they appear. All abbreviations shall be hypertext linked to a master glossary. The style and format/layout of the data shall be consistent with the GFI data provided to the contractor.

3.2 Detail Requirements. The contractor shall utilize the applicable LAV-C2A1 Government Furnished Information (GFI) Technical Publications as identified in Attachment X1 and the XML GFI data and add/or subtract from the XML data to create a LAV-C2 Upgrade XML file that includes complete documentation for the -10 (Operator), -20 (Organizational), -34 (Intermediate), Rebuild Standard, and the SL-4 (Parts Manual). All information that is either added or removed from the LAV-C2A1 technical publications/XML data shall be validated by the contractor and verified by the Government prior to final publication release to the Government. It is suggested that the contractor utilize the information in the publications that support the Government Furnished Material to the greatest extent practical for incorporation in to the LAV-C2 Upgrade XML data. Each operator/maintenance task shall be presented in detail and in logical step-by-step procedures for the work to be accomplished. The operator/maintenance task instructions shall accurately provide the operator/technician with all the information needed to keep the equipment operational

3.3 Technical Manual Quality Assurance Data/ IETM Development Plan. This plan shall specify the development of the technical manuals and the XML data that supports the LAV-C2 Upgrade. The plan shall detail the authoring, content, data management, integration, revision control, and quality assurance requirements. The plan also addresses specific IETM capabilities that will be demonstrated at the Logistics Demonstration. This plan shall also include the Quality Assurance Program Plan and the Contractor Verification Plan. The Plan shall be delivered to PM LAV NLT 30 days after the ILS Start of work meeting.

The schedule for each XML deliverable item shall include the following:

- a. Conduct of Government inspections (including review of interim deliverables).
- b. Contractor quality reviews.
- c. Validation.
- d. XML rendered for verification (proposed start of verification).
- e. Estimated date of delivery.
- f. Any other contractually required milestone (i.e., Log reviews, FEAT meetings, etc)

3.3.1. Procedures for Quality Reviews. A description of the contractor's procedures for quality reviews, including the accomplishment of required changes and the correction of identified errors and insertion into the SGML. The QA Plan shall also explain procedures for maintaining records of defects found and corrective actions taken.

3.3.2. Source Data Management. The QA Plan shall provide a description of the contractors source data management procedures. The QA Plan shall describe plans to assure that the most current source data are made available, controlled, and utilized for IETM generation. The QA Plan shall describe how the QA effort will assure direct communication between information developed by the Logistics Management Information (LMI), and the IETM authoring system. The LMI data shall be consistent with the SGML/Technical Publication data.

3.3 Front Matter. Front matter for the XML shall conform to the requirements of PM LAV DTD. The front matter shall also contain a recapitulation of warnings and cautions. At a minimum the front matter shall consist of:

- a. Title Frame
- b. Table of Contents
- c. Safety Summary .

d. Publication Date.

3.4 Technical Content

The Lubrication procedures shall be arranged in a logical sequence that requires the personnel performing the tasks to expend the minimum time and motion. The lubrication procedures shall be arranged so as to cause minimal interference between personnel performing simultaneous checks on the same vehicle. PMCS tasks shall be arranged in a logical sequence that requires personnel performing the tasks to expend the minimum time and energy. The XML data shall be reflective of the decisions arrived at the Front End Analysis Team meeting(s) and the data contained in the Logistics Management Information system.

3.5 Graphics and Illustrations. The primary source for graphics shall be the engineering database. However, graphics to depict clarity in procedures and tasks shall not be limited to line art derived from the engineering database.

3.6 Document Type Definition (DTD). The PM LAV1 040629 DTD shall be used by the contractor during his authoring and tagging of the technical data. Configuration management of the DTD is the responsibility of the PM LAV Office.

3.7 XML Updates. XML corrections resulting from Logistics reviews, technical evaluations, and validations shall be incorporated in to the final XML database. The contractor shall propose a methodology for identifying the updated portions of the XML to ensure accuracy and configuration control.

3.8. Operator Data. The operator data consists of tools, equipment, operation and maintenance instructions performed by the user or operator. The Operator data shall include all relevant Operator information irregardless if the components were Government or Contractor furnished.

3.9 Maintenance Data. The Maintenance Data describes equipment maintenance to be performed by organizational through depot maintenance personnel. For maintenance tasks that require common tools they must be identified in the front of the task by nomenclature only. For tools that are determined to be special tools they shall be identified in the front of the task by nomenclature and part number. The SL-4/Repair Parts List shall identify all components of the LAV-C2A2 vehicle that matches the agreed upon supportability concept. The XML data shall be capable of processing and displaying technical information (including hydraulic and electrical schematics and flow diagrams). In the case of schematics and flow diagrams, the user will be able to trace any electrical/hydraulic circuit from its origin to termination. This should be accomplished by logical groups and unique identification description.

3.10 Publication Freeze date. The publication freeze date for the final XML data shall be provided to the contractor during Phase III of the program and shall appear on the front covers only.

4.0 Packaging and Delivery.

4.1 Delivery Instructions. The final XML data shall be delivered in accordance with CDRL A021.

4.1.1 Packaging and Marking. In addition to sender and addressee information, the exterior of each package shall bear the following:

- (1) Publication number
- (2) Contract or purchase order number
- (3) Type of material enclosed
- (4) Number of containers in the shipment

4.1.2 Packing List. A copy of the letter of transmittal or packing list shall be placed inside the package. When a shipment consists of several packages, the letter of transmittal or packing list shall be enclosed in the first package and shall identify the material that was wrapped in each package.

4.1.3 CD-ROM for Review. The CD-ROMs shall be wrapped to provide maximum protection during shipping. Each CD-ROM shall be delivered in a standard compact digital/audio disk case and wrapping. The case is to be usable as storage for the disk once the plastic cover wrapping is removed. Multiple copies may be delivered in the same shipping container. CD-ROMs are to be delivered as specified on the distribution matrix of the CDRL.